

U.S. Patent Appln. No 10/086,391
Amendment Dated May 26, 2004
Reply to Office Action of Feb. 26, 2004
Docket No. BOC9-2001-0012 (247)

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A method of providing for a call waiting notification to a participant in an existing telephone call, comprising the steps of:
~~establishing a telephone call with a calling party;~~
~~providing an on-line interface through which said participant can associate distinctive ring tones with calling parties;~~
~~receiving from said a calling party over a telephony connection, call information comprising a specified telephone number of the participant in the existing telephone call and at least one of a user name and password;~~
~~identifying said calling party using said call information, and~~
~~causing a distinctive call waiting tone to be sent to said participant wherein said distinctive call waiting tone is associated with said calling party, and wherein said distinctive call waiting tone was associated with said calling party via said on-line interface;~~
~~and~~
~~responsive to the participant electing to speak with said calling party, transferring said established call to the participant.~~
2. (Canceled)
3. (Currently Amended) The method of claim 12, wherein said call information identifies said call as out-of-area code with respect to said participant.
4. (Canceled)

U.S. Patent Appln. No. 10/086,391
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Reply to Office Action of Feb. 26, 2004
Docket No. BOC9-2001-0012 (247)

5. (Currently Amended) The method of claim 1, further comprising the step of receiving subscriptions to a said call waiting service provider, and verifying said call waiting subscription when said call is received by a said call waiting service provider.

6. (Currently Amended) The method of claim 1, further comprising the step of providing a list to said ~~either~~ calling party of available call waiting messages, receiving from said calling party ~~either~~ a selection of a message, and sending a distinctive call waiting tone to said participant according to said selection.

7. (Currently Amended) A system for providing ~~for a~~ either a call waiting notification to a participant in an existing telephone call, comprising:

an on-line interface through which said participant can associate distinctive ring tones with calling parties;

a call waiting service provider configured to receive a call from a calling party and receive call information comprising a specified telephone number of the participant in the existing telephone call and (at least one of a username and password to identify the calling party) to identify in said received call a telephone number associated with said participant,

a distinctive call waiting tone generator configured to generate distinctive call waiting tones based upon characteristics of said calling party; and,

a switch for transferring said received call to the participant if the participant elects to accept the received call.

8. (Currently Amended) The system of claim 7, wherein said call waiting service provider further comprises a database comprising authorized passwords, and a data processing system for verifying a password received from said ~~either~~ calling party by comparing said password to said database of passwords.

9. (Currently Amended) The system of claim 7, further comprising a table of available call waiting messages, and a data processing system for receiving from said calling

U.S. Patent Appln. No. 10/086,391
Amendment Dated May 26, 2004
Reply to Office Action of Feb. 26, 2004
Docket No. BOC9-2001-0012 (247)

party caller a selection of a message, and for assigning a call waiting tone according to said selection.

10. (Currently Amended) The system of claim 7, further comprising a data processing system for receiving call information from said calling party caller, and for sending a distinctive call waiting tone to said participant according to said call information.

11. (Currently Amended) The system of claim 10, wherein said call information identifies said calling party caller as being out-of-area code with respect to said participant, and said system sends a distinctive call waiting tone to indicate to said participant that said calling party call is out-of-area code.

12. (Currently Amended) The system of claim 10, wherein said call information further comprises at least one selected from the group consisting of out-of-area code, time of day at point of origin, geographical location, and time zone information.

13. (Currently Amended) The system of claim 7, wherein said system comprises a database comprising subscription information, and a data processing system for comparing said telephone number call information received from said calling party caller to said subscription information in said database.

14. (Currently Amended) A system for providing a call waiting notification to a participants in an corresponding existing telephone calls, comprising:

an on-line interface through which said participant can associate distinctive ring tones with calling parties:

fixed data storage for storing a list of call characteristics for said calling parties, wherein said call characteristics comprise at least one of a user name and password)
a computer for matching said call characteristics with entries in said list;

U.S. Patent Appln. No 10/086,391
Amendment Dated May 26, 2004
Reply to Office Action of Feb. 26, 2004
Docket No BOC9-2001-0012 (247)

a call analyzer for detecting obtaining call characteristics in for received calls, wherein said call analyzer identifies a caller based upon said call characteristics,

a call waiting tone generator for producing distinctive call waiting tones according to said caller entries in said list which match said detected call characteristics; and,

¶ a tone transmitter for sending said distinctive call waiting tones to said participants)

15. (Currently Amended) The system of claim 14, wherein said call characteristics are include at least one selected from the group consisting of out-of-area code, time of day at point of origin, geographical location, and time zone characteristics.

16. (Original) The system of claim 14, further comprising structure for selecting said call characteristics from a menu of available call characteristics.

17-18. (Canceled)

19. (Original) The system of claim 14, further comprising (password verification structure.)

20. (Currently Amended) A method for providing a call waiting notification to a participant in a telephone call, comprising the steps of:

providing an on-line interface through which said participant can associate distinctive ring tones with callers;

storing a list of call characteristics;

detecting obtaining call characteristics comprising a specified telephone number of the participant in the telephone call and at least one of a user name and password for an inbound call;

comparing said call characteristics for said inbound call to said list of call characteristics to determine identify a caller placing said inbound call if there is a match,

generating a call waiting tone according to the caller call characteristics of said match, and

U S Patent Appln. No 10/086,391
Amendment Dated May 26, 2004
Reply to Office Action of Feb. 26, 2004
Docket No. BOC9-2001-0012 (247)

sending said call waiting tone to said participant.

21. (Currently Amended) The method of claim 20, wherein said call characteristics are include at least one selected from the group consisting of out-of-area code, time of day at point of origin, geographical location, and time zone characteristics.

22. (Original) The method of claim 20, further comprising the step of creating said list of call characteristics.

23. (Original) The method of claim 22, wherein said step of creating said list of call characteristics comprises the step of selecting call characteristics from a menu of available call characteristics.

24-25. (Canceled)

26. (New) The method of claim 1, further comprising responsive to the participant electing to speak with said calling party, connecting said calling party and participant